

## Searching PAJ

## English Abstract

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## PATENT ABSTRACTS OF JAPAN

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**(71)Applicant : SUMITOMO RUBBER IND LTD**

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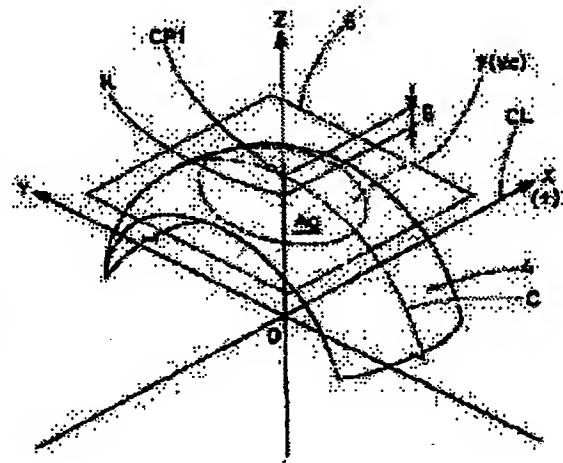
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#### (54) ESTIMATING METHOD FOR GROUND CONTACT FORM OF TIRE

**(57)Abstract:**

**PROBLEM TO BE SOLVED:** To estimate a ground contact form of a tire simply by means of providing a two-dimensional tread surface outline of a tire.

**SOLUTION:** This method comprises a tread surface outline specifying treatment for specifying a two-dimensional tread surface outline in a tire meridian section including a tire rotating axis CL, a tread surface specifying treatment for specifying a three-dimensional tread surface troid body 4 through rotating this tread surface outline around the tire rotating axis CL, a virtual ground contact area estimating treatment for calculating an area  $A_g$  of a virtual ground contact surface  $V_c$  passing from the surface of the tread surface troid body 4 to a ground contact depth point K in the inner diametrical direction of the tire and formed of a section 7 cut in a plane 6 in parallel with a virtual road surface, and a ground contact form specifying treatment for deciding as the ground contact form of the tire the form of the virtual ground contact  $V_c$  such that the area  $A_g$  equals to a ground contact area found by means of dividing load W of the tire by charging internal pressure P.



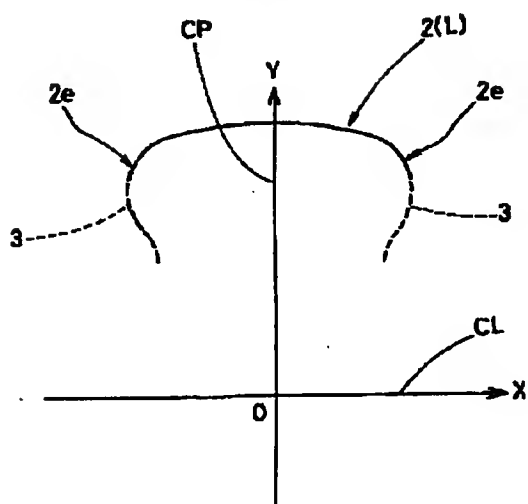
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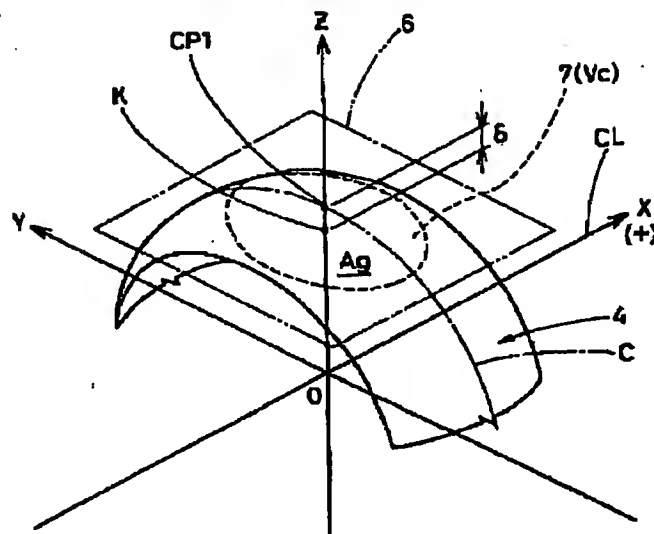
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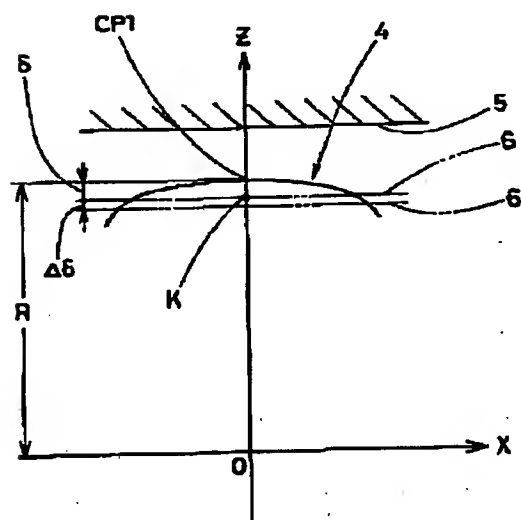
【図1】



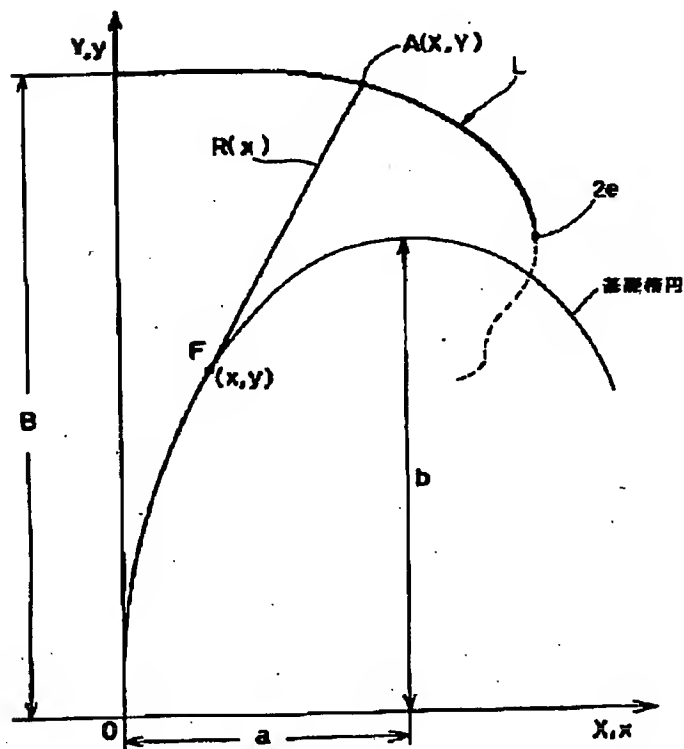
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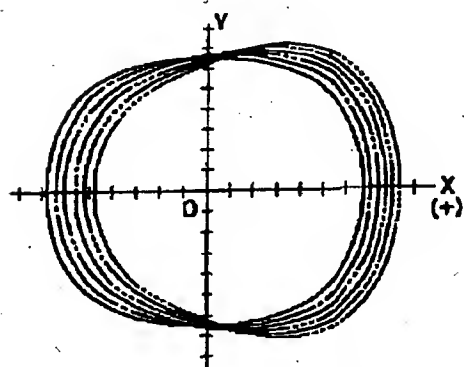
【図3】



【図5】



【図6】



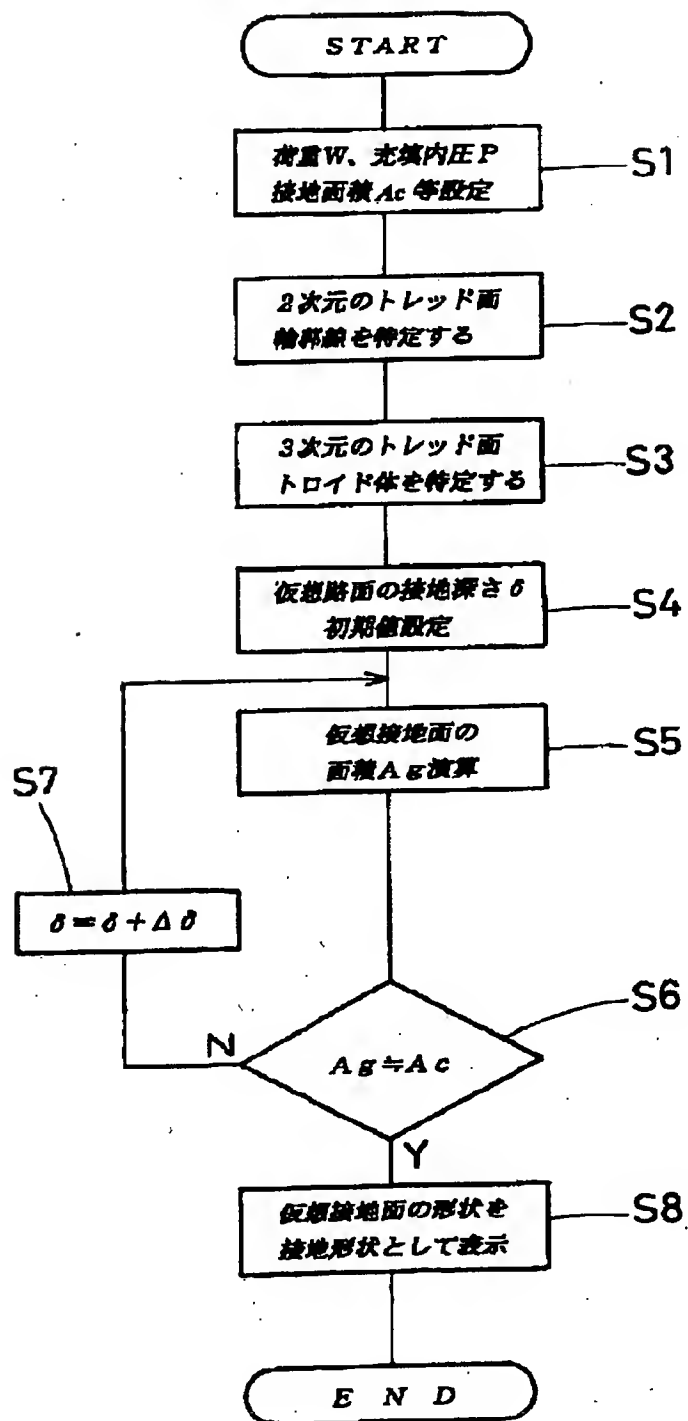
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【図4】



【図7】

